

# CDFA Research Scientific Advisory Panel (RSAP)

"Another important gap is an integrated GIS-based database that includes GWSS population density information, *Xf* genotype distribution, PD distribution, crop information, temperature and geographical information."



Dr. George Sundin



Dr. Daniel Sumner

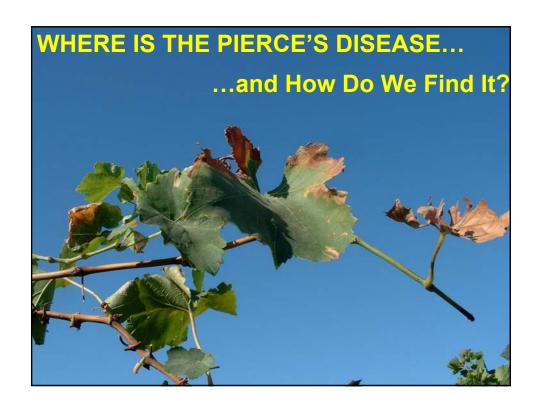


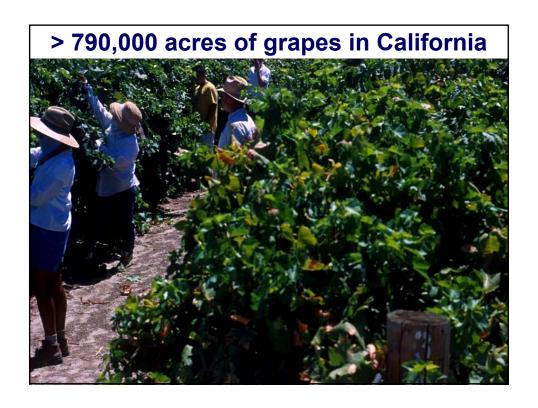
Dr. Greg Loeb

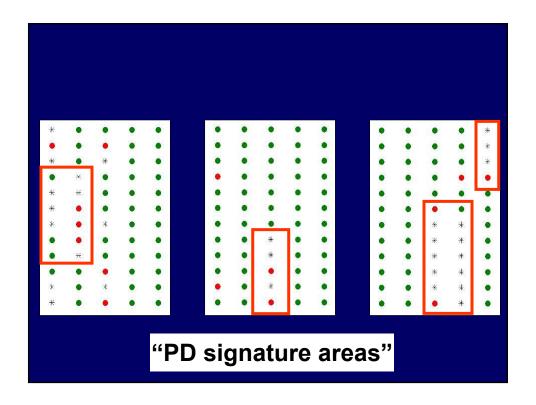
# CDFA Research Scientific Advisory Panel (RSAP)

"Research areas to target for further funding...

Expansion and enhancement of the GIS database to include location of PD-infected vines, location of specific Xf genotypes, and location and number of infected vines removed from vineyards."

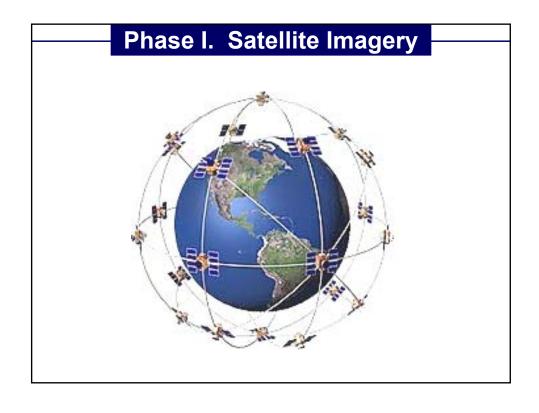


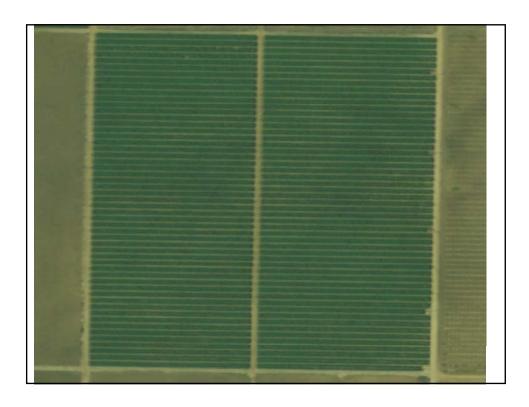


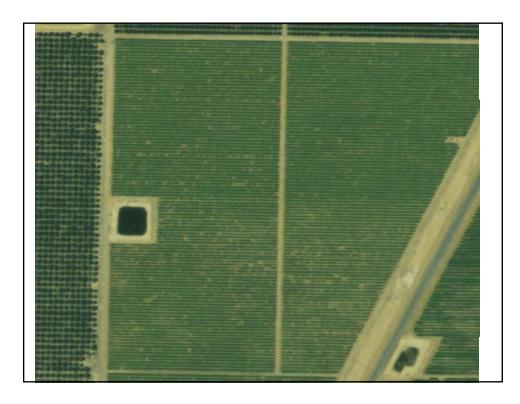






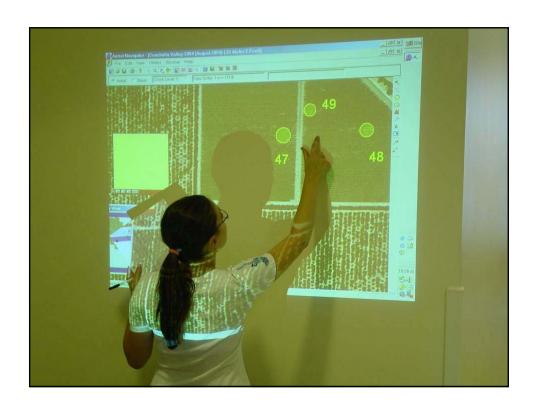


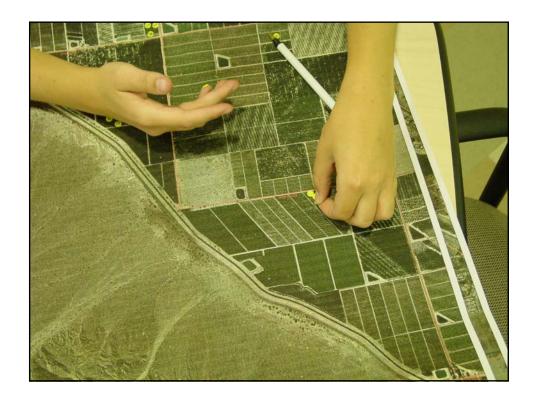


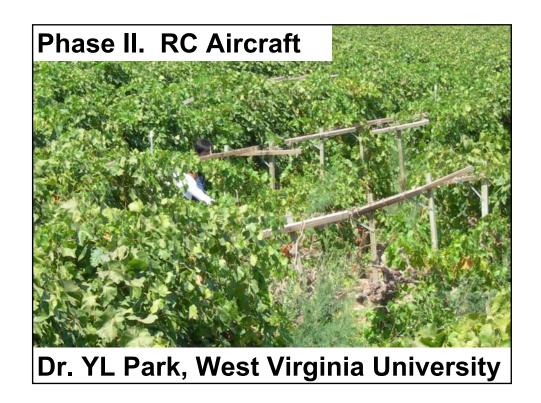


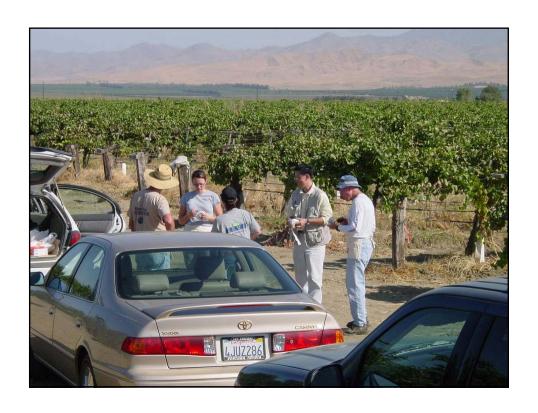


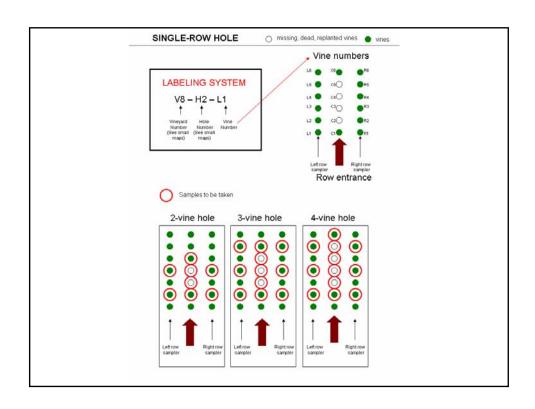


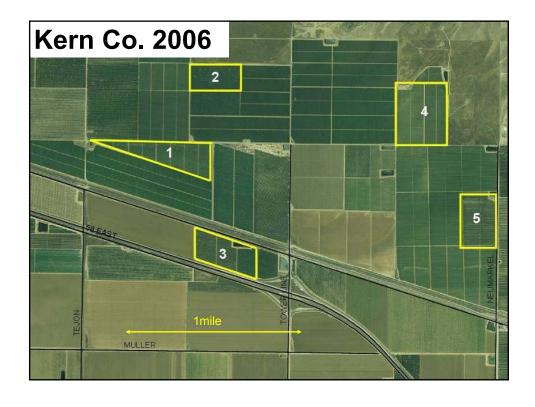


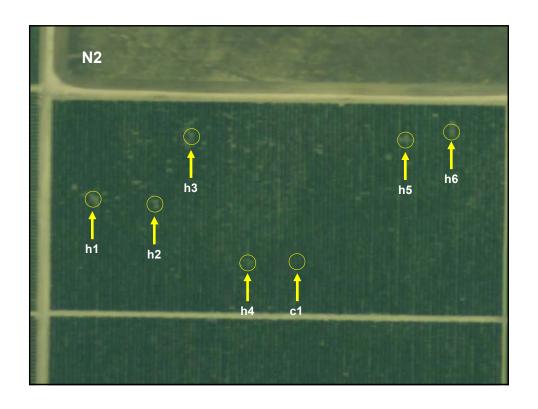


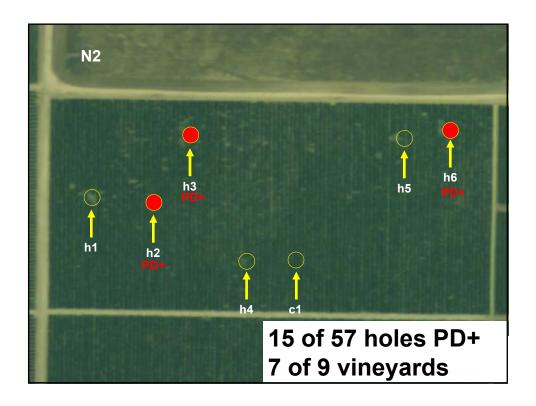


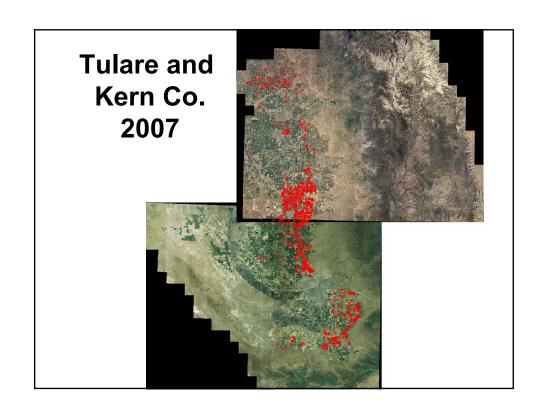


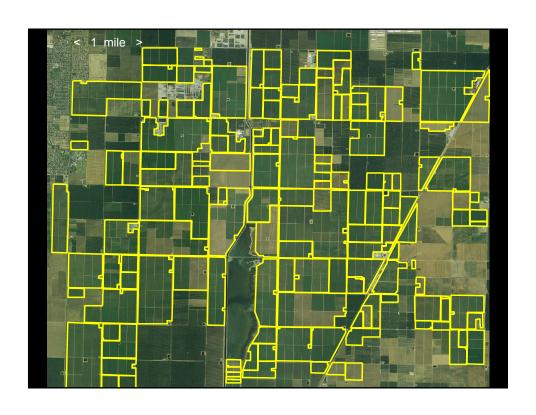


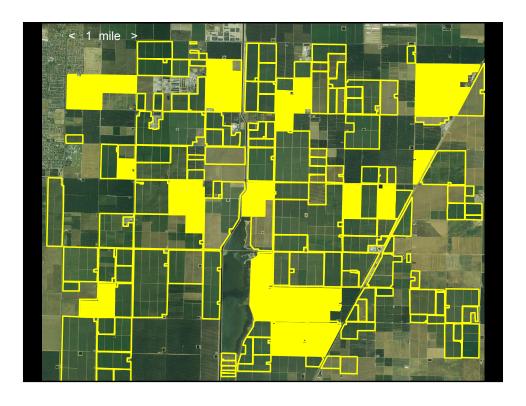






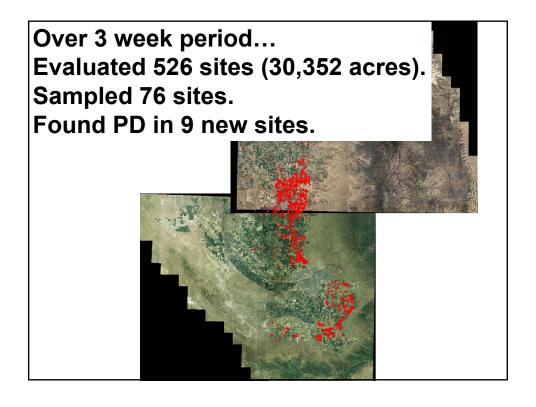


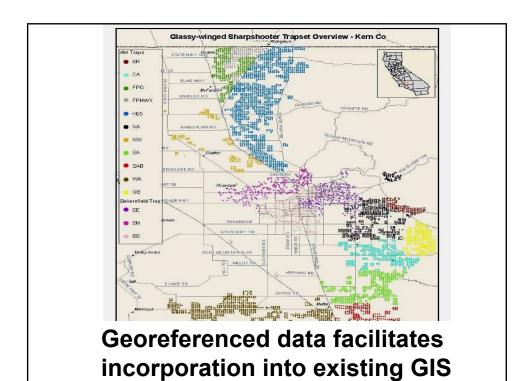


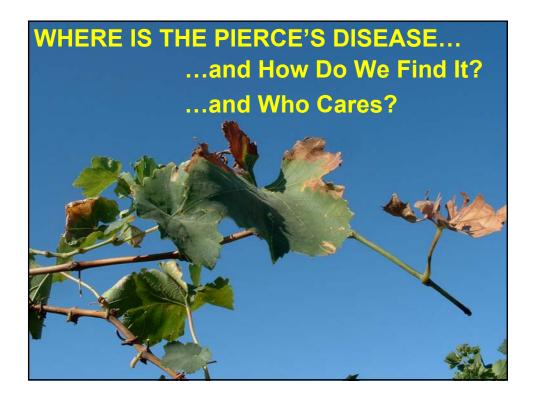












## Stakeholders

#### **Growers**

- 1. Roguing infected vines
- 2. Replanting into infected areas
- 3. Reluctance?
  - a. Economics of diseased vines.
  - b. Vine loss replacement prgm.

### Stakeholders

#### **Growers**

Regulatory Agencies
County Ag Commissioners
CDFA

- 1. Prioritize treatment areas.
- 2. Where do we need to use new varieties?
- 3. Risk Mapping (other SS?)

### Stakeholders

#### **Growers**

Regulatory Agencies
Cooperative Extension Advisers

- 1. Integrated pest programs.
- 2. Recommendations/advice based on more complete info.

## Stakeholders

**Growers** 

Regulatory Agencies
Cooperative Extension Advisers
Scientific Community

1. Landscape epidemiology.

How does GWSS contribute to
X.f. spread?

#### **Stakeholders**

Growers
Regulatory Agencies
Cooperative Extension Advisers
Scientific Community

- 1. How does GWSS contribute to X.f. spread?
- 2. What biotic/abiotic conditions lead to spread?
- 3. Impact/Dist. of *X.f.* strains

# **Cooperators**

Yong-Lak Park, Rayda Krell, Chuck Farrar, Jung-Joon Park, Tracy Pinkard UC Riverside

Carmen Gispert UC Cooperative Extension, Indio

Jennifer Hashim Buckey & Murry Pryor UC Cooperative Extension, Bakersfield

Barry Hill & Rosie Yacoub CDFA, Sacramento

## **Acknowledgments**

- Consolidated Central Valley Table Grape Pest and Disease Control District (Kern and Tulare Counties)
- California Desert Grape Administrative Committee
- University of California PD Research Grants Program
- CDFA Pierce's Disease Control Program
- Coachella Valley Grape Growers

